

Appl. No. :Unknown (This is a Continuation of copending Application of U.S. Serial No. 09/981,547)

Filed : January 11, 2002

Version with markings to show changes made

In the Claims:

Claims 40 and 56 have been amended as follows:

40. (Amended) A process comprising

(a) screening a library of small organic compounds with a target protein-ligand conjugate formed by the covalent bonding of a biological target molecule comprising a first reactive functionality with a compound that comprises (1) a second reactive functionality and (2) a chemically reactive group, wherein the second reactive functionality of the compound reacts with the first reactive functionality of the biological target molecule to form a first covalent bond such that the protein-ligand conjugate contains a free chemically reactive group, under conditions wherein at least one member of the library forms a second covalent bond with the target protein-ligand conjugate, and

(b) identifying a small organic compound that binds covalently to the chemically reactive group [thereby forming a covalent complex] of the protein-ligand conjugate.

56. (Amended) The process of Claim 40 wherein the target protein is selected from enzymes, proteases, kinases, [phosphatases] phosphatases (dephosphorylases), cytokine receptors, hormones, [interlukins] interleukins, tyrosine kinase receptors, TNF, mdm2, chemokines and their receptors, signal transduction molecules and transcription factors.

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